IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Network~~ A network router ~~characterized in that it includes~~ comprising:

at least one generic router ~~able~~ configured to ~~execute routings~~ route data between ~~inputs (I_1, I_2, I_3, . . .)~~ input devices and ~~outputs (O_1, O_2, O_3, . . .),~~ output devices;

a memory unit configured to store a configuration file including [[the]] parameters of a given set of routings between said ~~inputs~~ input devices and ~~outputs,~~ output devices; and

said memory unit further configured to store a routing table, wherein the generic router is further configured to load a subset of routings ~~(R1, R2, . . .) being loaded~~ from said configuration file into said routing table ~~by said generic router to enable this router~~ and to execute the routings between said ~~inputs~~ input devices and ~~outputs~~ output devices according to the configuration filed load ~~defined in~~ into said routing table.

Claim 2 (Currently Amended): ~~Router~~ The network router according to the claim 1, wherein said subset of routings ~~(R_1, R_2, . . .)~~ is specific to a given need.

Claim 3 (Currently Amended): ~~Router~~ The network router according to the claim 2, ~~characterized in that when~~ wherein said generic router ~~starts up it activates~~ is configured to activate said ~~inputs~~ input devices and ~~outputs~~ output devices dedicated to [[the]] an application at start-up and ~~loads~~ to load said routing table at start-up.

Claim 4 (Currently Amended): ~~Router~~ The network router according to any one of the preceding claims, wherein data processing functions ~~(f_1, . . . f_n)~~ are associated with said subset of routings ~~(R_1, R_2, . . .)~~, these functions being defined in said configuration file and

loaded into said routing table.

Claim 5 (Currently Amended): ~~Router~~ The network router according to the claim 4, wherein a message received by a given input device is processed by a first function [[f_1]] associated with [[this]] the input device, then routed according to said routing table to a designated output device, then processed by a second function [[f_2]] associated with [[this]] the output device.

Claim 6 (Currently Amended): ~~Router according to any of the preceding claims~~ The network router as in any one of claims 1, 2, and 3, ~~characterized in that it includes~~ further comprising:

an operating system[[,]];

input and output software layers[[,]]; and

an intermediate software layer providing [[the]] a link between said operating system, said input and output layers, and said generic router.

Claim 7 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of Claims 1, 2, and 3, wherein said ~~inputs~~ input devices and ~~outputs~~ output devices are connected to one of a serial X25 link, BSC link, asynchronous link, HDLC link, ~~links or to UDP- or TCP-type Ethernet links~~ UDP Ethernet link, and TCP Ethernet link.

Claim 8 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claim 1, 2, and 3, ~~characterized in that when the~~ wherein messages received by the generic router are routed in a given sequence, and said generic

router includes a function [[F_{ov}]] dedicated to capacity overflow management, [[this]] the function ~~rejecting the most~~ rejects recently received messages until the overflow situation is resolved, in order that the messages are routed in their sequential order without loss of any message within a routed sequence.

Claim 9 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, ~~characterized in that it~~ wherein the generic router includes a function [[F_{ov}]] dedicated to capacity overflow management, [[this]] the function ~~rejecting~~ rejects ~~the oldest~~ older data in favor of ~~the most~~ recent data, and the ~~latter being~~ recent data is routed to the output device.

Claim 10 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, ~~characterized in that it~~ wherein the generic router includes a function [[F_{ov}]] dedicated to capacity overflow management, [[this]] the function ~~reducing the~~ reduces data rate on the route and ~~sending~~ sends a message to [[the]] a data source requesting [[it]] the data source to stop sending messages to enable [[the]] an overflow situation to be resolved.

Claim 11 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, wherein said routed data ~~relate~~ relates to an air traffic control application.

Claim 12 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, wherein said routed data [[are]] is

radar data.

Claim 13 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, wherein said routed data [[are]] is meteorological data.

Claim 14 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, wherein said routed data [[are]] is flight plan data.

Claim 15 (New): A method of routing data comprising steps of:

routing data between input devices and output devices;

storing a configuration file including parameters of a given set of routings between said input devices and output devices;

loading a subset of routings from the configuration file into a routing table; and

executing the routings between said input devices and output devices according to the configuration file loaded into said routing table.